

IN THE CLAIMS:

Please amend the presently pending claims so as to read as follows:

1. (Currently Amended) A system comprising a sever and a plurality of networks that are separately connected to said server;
wherein each said network includes
a at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from its primarily assigned network to another of said plurality of networks,
a communication device that sends said preselected data received from said server to said mobile terminals located within a range of communication of said communication device wirelessly, and
a detection device that detects any ~~said mobile terminals present within a said range of communication of said communication device~~ communicable with said communication device, said mobile terminal moving between said plurality of networks, and said mobile terminal having a primary assigned network set as its home network; and

wherein said server includes

a communication circuit that communicates with the communication device and the detection device included in each said network,

a storage circuit ~~that is connected to said communication circuit and that stores,~~ said storage circuit storing in the form of a management table including, for each said mobile terminal, (i) information specifying the network in which said the mobile terminal is currently located that is determined based on information received from said detection device and (ii) prestored information specifying the home network of the mobile terminal, and

a control circuit ~~that is connected to said communication circuit and to said storage circuit and that receives ,~~ said control circuit being adapted to receive data and information indicating the a specified one of said at least one mobile terminal as a the destination of the data, and to controls, based on the received information indicating the mobile terminal as the destination of the data and the information stored in the management table, such that said communication circuit such that it sends said received data to said the specified one of said at least one mobile terminal as the destination thereof, based on the information concerning the specified one of said at least one mobile terminal contained in said management table.

2. (Currently Amended) The network system according to claim 1,
wherein the detection device includes
- a first transmission circuit that transmits inquiry
information ~~to said mobile terminal to inquire~~
concerning whether ~~if~~ any mobile terminal is located
within the communication range of communicable
~~with~~ said communication device,
 - a receiving circuit that receives in-zone information ~~that is~~
transmitted output by mobile terminals present
within the communication range of the
communication device in response to said inquiry
information ~~by said mobile terminal that is present~~
~~within the range communicable with said~~
~~communication device~~, and
 - a second transmission circuit ~~that is~~ connected to said
receiving circuit ~~and~~ that transmits to said server,
first identification information specifying ~~said the~~
ones of said at least one mobile terminal that
transmitted said in-zone information and second
identification information specifying the network in
which said detection device is included,

wherein said storage circuit includes a circuit ~~that stores a~~ storing
a management table including, for each mobile
terminal identified by the first identification
information, ~~the said~~ second identification
information ~~receieved~~ and ~~the said~~ prestored
information specifying said the home network of each
mobile terminal present within the communication
range of the communication device;

wherein said data and information indicating the a specified one of
the at least one mobile terminal as the destination of
the data is represented ~~by~~ in the first identification
information,

and wherein said control circuit includes

a circuit that reads from said management table the
second identification information
corresponding to the first identification
information ~~received with said data~~;

a circuit that compares the read second identification
information and the prestored information
specifying the home network, and

a circuit that controls, ~~when the read second~~
~~identification information and the information~~
~~specifying said home network differ from each~~
~~other, such that~~ said communication circuit
so as to sends said received data to the
communication device in the network
identified by the second identification
information when the read second
identification information and the information
specifying the home network differ from one
another.

3. (Currently Amended) The network system according to claim 1, wherein
said sever further includes a connection circuit that connects to
another network, and
said sever receives said data and the information indicating the
specified one of the at least one mobile terminal as the
destination of the data from a device connected to ~~said~~
another network.
4. (Currently Amended) The network system according to claim 3, wherein said
another network is the Internet, and said connection circuit
includes a circuit that connects to the ~~said~~ Internet via a public
network.

5. (Currently Amended) A system comprising a server and a plurality of networks that are separately connected to said server,
wherein each said network includes
a at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from is primarily assigned network to another of said plurality of networks,
a communication device that sends said preselected data received from said server to said mobile terminals located within a range of communication of said communication device wirelessly, and
a detection device that detects any said mobile terminals present within a said range of communication of said communication device ~~communicable with said communication device, said mobile terminal moving between said plurality of networks, and said mobile terminal having a primary assigned network set as its home network,~~ and
wherein said server includes
communication means for communicating with the communication device and the detection device included in each said network,

storage means, connected to said communication

means, for storing in the form of a
management table ~~including~~, for each said
mobile terminal, (i) information specifying the
network in which ~~said the~~ mobile terminal is
currently located ~~that is determined~~ based on
information received from said detection
device and (ii) prestored information specifying
said the home network of the mobile terminal,
and

control means, connected to said communication

means and to said storage means, for
receiving data and information indicating ~~the~~
a specified one of said at least one mobile
terminal as the a destination of the data, and
for controlling, ~~based on the received~~
~~information indicating the mobile terminal as~~
~~the destination of the data and the~~
~~information stored in said management table,~~
~~such that~~ said communication means such
that it sends said received data to ~~said the~~
specified one of the at least one mobile
terminal as ~~the destination thereof~~ based on
the information concerning the specified one
of the at least one mobile terminal contained
in said management table.

6. (Currently Amended) The network system according to claim 5,
wherein said detection device includes

first transmission means for transmitting inquiry
information to ~~said mobile terminal to inquire~~
concerning whether it any mobile terminal is located
within the communication range of ~~communicable~~
~~with~~ said communication device,

receiving means for receiving in-zone information ~~that is~~
~~transmitted~~ output by mobile terminals present
within the communication range of the
communication device in response to said inquiry
information ~~by said mobile terminal that is present~~
~~within the range communicable with said~~
~~communication device~~, and

second transmission means, connected to said receiving
means, for transmitting to said server, first
identification information specifying ~~said~~ the ones of
the at least one mobile terminal that transmitted
said in-zone information and second identification
information specifying the network in which said
detection device is included,

wherein said storage means includes means for storing a management table including, for each mobile terminal identified by the first identification information, said the second identification information received and the said prestored information specifying said the home network of each mobile terminal present within the communication range of the communication device;

wherein said data and information indicating the a specified one of said at least one mobile terminal as the destination of the data is represented by in the first identification information, and

wherein said control means includes

means for reading from said management table the second identification information corresponding to the first identification information received ~~with said data,~~
means for comparing the read second identification information and the prestored information specifying said home network, and

means for controlling, ~~when the read second identification information and the information specifying said home network differs from each other, such that said~~ communication means sends so as to send said received data to the communication device in the network identified by the read second identification information when the read second information and the information specifying the home network differ from one another.

7. (Currently Amended) The network system according to claim 5, wherein said server further includes connection means for connecting to another network, and said server receives said data and the information indicating the specified one of the at least one mobile terminal as the destination of the data from a device connected to said another network.
8. (Currently Amended) The network according to claim 7, where said another network is the Internet, and said connection means includes means for connecting to said Internet via a public network.
9. (Currently Amended) A server for use in a system including the server and a plurality of networks that are separately connected to said server, wherein each said network includes a at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from its primarily assigned network to another of said plurality of networks, a communication device that sends said preselected data received from said server to said mobile terminals located within a range of communication of said communication device wirelessly, and

a detection device that detects any ~~said~~ mobile terminals
present within a the range of communication of said
communication device ~~communicable with said~~
~~communication device~~, ~~said mobile terminal moving~~
~~between said plurality of networks~~, and ~~said mobile~~
~~terminal having a primary assigned network as its home~~
~~network~~,
said server comprising:

a communication circuit that communicates with the
communication device and the detection
device included in each said network;

a storage circuit ~~that is~~ connected to said
communication circuit and ~~that stores~~, said
storage circuit storing in the form of a
management table ~~including~~, for each said
mobile terminal, (i) information specifying the
network in which ~~said~~ the mobile terminal is
currently located ~~that is determined based on~~
information received from said detection
device and (ii) prestored information specifying
said the home network of the mobile terminal;
and

a control circuit ~~that is~~ connected to said communication circuit and to said storage circuit and ~~that receives~~ , said control circuit being adapted to receive data and information indicating the a specified one of said at least one mobile terminal as a the destination of the data, and to controls, based on the received information indicating the mobile terminal as the destination of the data and the information stored in the management table, such that said communication circuit such that it sends said received data to said the specified one of the at least one mobile terminal as the destination thereof based on the information concerning the specified one of the at least one mobile terminal contained in said management table.

- 10.(Currently Amended) The server according to claim 9,
wherein said detection device includes
a first transmission circuit that transmits inquiry information ~~to~~
~~said mobile terminal to inquire~~ concerning whether it any
mobile terminal is located within the communication range
of communicable with said communication device,

a receiving circuit that receives in-zone information that is ~~transmitted~~ output by mobile terminals present within the communication range of the communication device in response to said inquiry information ~~by said mobile terminal that is present within the range communicable with said communication device~~, and

a second transmission circuit ~~that is connected to said receiving circuit and~~ that transmits to said server, first identification information specifying said the ones of said at least one mobile terminal that transmitted in-zone information and second identification information specifying the network in which said detection device is included,

wherein said storage circuit includes a circuit ~~that stores~~ storing a management table including, for each mobile terminal identified by the first identification information, ~~the said~~ second identification information ~~received~~ and ~~the said~~ prestored information specifying said the home network of each mobile terminal present within the communication range of the communication device,

wherein said data and information indicating ~~the~~ a specified one of the at least one mobile terminal as the destination of the data is represented ~~by~~ in the first identification information, and

wherein said control circuit includes

a circuit that reads from said management table the second identification information corresponding to the first identification information ~~received with said data~~,

a circuit that compares the read second identification information and the prestored information specifying the home network, and

a circuit that controls, ~~when the read second identification information and the information specifying said home network differs from each other, such that said communication circuit so as to~~ sends said received data to the communication device in the network identified by the read second identification information when the read second identification information and the information specifying the home network differ from one another.

11. (Currently Amended) The server according to claim 9, further comprising a connection circuit that connects to another network, wherein said server receives said data and the information indicating the specified one of the at least one mobile terminal as the destination of the data from a device connected to said another network.

12. (Currently Amended) The server according to claim 11, wherein said another network is the Internet, and said connection circuit includes a circuit that connects to ~~said~~ the Internet via a public network.

13. (Currently Amended) A server for use in a system including a server and a plurality of networks that are separately connected to said server, wherein each said network includes
- a at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from its primarily assigned network to another of said plurality of networks,
 - a communication device that sends said preselected data received from said server to said mobile terminals located within a range of communication of the communication device wirelessly, and
 - a detection device that detects any said mobile terminals present within a said range of communication of said communication device ~~communicable with said communication device, said mobile terminal moving between said plurality of networks, and said mobile terminal having a primary assigned network as its home network,~~
- said server comprising:
- communication means for communicating with the communication device and the detection device included in each said network;

storage means, connected to said

communication means, for storing in the form of a management table including, for each said mobile terminal, (i) information specifying the network in which said the mobile terminal is currently located that is determined based on information received from said detection device and (ii) prestored information specifying said the home network of the mobile terminal; and

control means, connected to said communication

means and to said storage means, for receiving data and information indicating the a specified one of said at least one mobile terminal as a the destination of the data, and for controlling, based on the received information indicating the mobile terminal as the destination of the data and the information stored in the management table, such that said communication means such that it sends said received data to said the specified one of said at least one mobile terminal as the destination thereof based on the information concerning the specified one of said at least one mobile terminal contained in said management table.

14. (Currently Amended) The server according to claim 13,
wherein said detection device includes
first transmission means for transmitting inquiry information to
~~said mobile terminal to inquire~~ concerning whether it any mobile
terminal is located within the communication range of
~~communicable with~~ said communication device,
receiving means for receiving in-zone information ~~that is~~
~~transmitted~~ output by mobile terminals present within the
communication range of the communication device in response to
said inquiry information ~~by said mobile terminal that is present~~
~~within the range communicable with said communication device,~~
and second transmission means, connected to said receiving
means, for transmitting to said server, first identification
information specifying ~~said~~ the ones of said at least one mobile
terminal that transmitted in-zone information and second
identification information specifying the network in which said
detection device is included,
wherein said storage means includes means for storing a
management table including, for each mobile terminal
identified by the first identification information, ~~the said~~
~~second identification information received and the said~~
prestored information specifying ~~said~~ the home network of
each mobile terminal present within the communication
range of the communication device,

wherein said data and information indicating the a specified one of
said at least one mobile terminal as the
destination of the data is represented by in the first
identification information, and
wherein said control means includes
means for reading from said management table the second
identification information corresponding to the first
identification information ~~received with said data,~~
means for comparing the read second identification
information and the prestored information specifying
the home network, and
means for controlling, ~~when the read second identification~~
~~information and the information specifying the home~~
~~network differs from each other, such that said~~
communication means so as to sends said received
data to the communication device in the network
identified by the read second identification
information when the read second identification
information and the information specifying the home
network differ from one another.

15.(Currently Amended) The server according to claim 13, further comprising
connection means for connecting to another network, and
said server receives said data and the information indicating the
specified one of the at least one mobile terminal as the
destination of the data from a device connected to said
another network.

16. (Currently Amended) The server according to claim 15, wherein said another network is the Internet, and said connection means includes means for connecting to said the Internet via a public network.

17. (Currently Amended) A communication method of a server in a system including the server and a plurality of networks that are separately connected to said server,
wherein each said network includes
a at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from its primarily assigned network to another of said plurality of networks,
a communication device that sends said preselected data received from said server to said mobile terminals located within a range of communication of said communication device wirelessly, and
a detection device that detects any said mobile terminals present located within a said range communicable of communication of with said communication device,
~~said mobile terminal moving between said plurality of networks, and said mobile terminal having a primary assigned network as its home network,~~

said communication method comprising the steps of:

storing in the form of a management table including,

for each said mobile terminal, (i) information
specifying the network in which said the
mobile terminal is currently located ~~that is~~
~~determined~~ based on information received
from said detection device and (ii) prestored
information specifying said the home network
of the mobile terminal; and

receiving data and information indicating ~~the~~ a
specified one of said at least one mobile
terminal as a the destination of the data, and,
~~based on the received information indicating~~
~~the mobile terminal as the destination of the~~
~~data and the information stored in the~~
management table, sending said received data
to said the specified one of said at least one
mobile terminal as the destination thereof.

18. (Currently Amended) The communication method according to claim 17,
wherein said detection device includes

a first transmission circuit that transmits inquiry
information to ~~said mobile terminal to inquire~~
concerning whether it any mobile terminal is located
within the communication range of communicable
~~with~~ said communication device,

a receiving circuit that receives in-zone information ~~that is~~
transmitted output by mobile terminals present
within the communication range of the
communication device in response to said inquiry
information ~~by said mobile terminal that is present~~
~~within the range communicable with said~~
~~communication device~~, and

a second transmission circuit ~~that is~~ connected to said
receiving circuit ~~and~~ that transmits to said server,
first identification information specifying ~~said the~~
ones of said at least one mobile terminal that
transmitted said in-zone information and second
identification information specifying the network in
which said detection device is included,

wherein said step of storing the management table includes the
step of storing a management table including, for
each mobile terminal identified by the first
identification information, ~~the said second~~
identification information ~~received and the said~~
prestored information specifying ~~said the~~ home
network of each mobile terminal present within the
communication range of the communication device,

wherein said data and information indicating ~~the~~ a specified one of
said at least one mobile terminal as the destination of the
data is represented ~~by~~ in the first identification information,
and

wherein said step of sending said received data to said specified
one of said at least one mobile

terminal as the destination thereof includes the steps of
reading from said management table the second
information corresponding to the first
identification information ~~received with said~~
data,

comparing the read second identification
information and the prestored information
specifying the home network, and

~~when the read second identification information and~~
~~the information specifying the home network~~
~~differs from each other,~~ sending said received
data to the communication device in the
network identified by the read second
identification information when the read
second identification information and the
information specifying the home network differ
from one another.

19. (Currently Amended) The communication method according to claim 17,
wherein said server is connected to another network and
said server receives said data and the information indicating the
specified one of the at least one mobile terminal as the
destination of the data from a device connected to said
another network.
20. (Currently Amended) The communication method according to claim 19,
wherein said another network is the Internet, and
said server is connected to ~~said~~ the Internet via a public network.
21. (Currently Amended) A computer readable recording medium for use in
recording a program for implementing a communication method of a
server in a system including a server and a plurality of networks
separately connected to said server,
wherein each said network includes
a at least one mobile terminal primarily associated with
said network as its home network that receives preselected
data from said server and outputs the received preselected
data, said at least one mobile terminal being movable from
its primarily assigned network to another of said plurality of
networks,
a communication device that sends said preselected data
received from said server to said mobile terminals located
within a range of communication of said communication
device wirelessly, and

a detection device that detects any ~~said~~ mobile terminals present within a said range communicable with of communication of said communication device, ~~said mobile terminal moving between said plurality of networks, and said mobile terminal having a primary assigned network as its home network,~~

wherein said communication method comprises the steps of:

storing a management table including, for each said mobile terminal, (i) information specifying the network in which ~~said the~~ mobile terminal is currently located ~~that is determined~~ based on information received from said detection device and (ii) prestored information specifying said the home network of the mobile terminal; and

receiving data and information indicating ~~the a~~ specified one of said at least one mobile terminal as ~~a the~~ destination of the data, and, ~~based on the received information indicating the mobile terminal as the destination of the data and the information stored in the management table,~~ sending said received data to ~~said the~~ specified one of said at least one mobile terminal as ~~the destination thereof based on the information concerning the specified one of said at least one mobile terminal contained in said management table.~~

22. (Currently Amended) The recording medium according to claim 21,
wherein said detection device includes
a first transmission circuit that transmits inquiry information to
~~said mobile terminal to inquire~~ concerning whether it any
mobile terminal is located within the communication range
of communicable with said communication device,
a receiving circuit that receives in-zone information ~~that is~~
transmitted output by mobile terminals present within the
communication range of the communication device in
response to said inquiry information ~~by said mobile~~
~~terminal that is present within the range communicable~~
~~with said communication device,~~ and
a second transmission circuit ~~that is~~ connected to said receiving
circuit ~~and~~ that transmits to said server, first identification
information specifying ~~said~~ the ones of said at least one
mobile terminal that transmitted said in-zone information
and second identification information specifying the
network in which said detection device is included,
wherein said step of storing ~~the~~ a management table includes the
step of storing a management table including, for each
mobile terminal identified by the first identification
information, ~~the~~ said second identification information
~~received and the~~ said prestored information specifying said
home network of each mobile terminal present within the
communication range of the communication device,
wherein said data and information indicating ~~the~~ a specified one of
said at least one mobile terminal as the destination of the
data is represented ~~by~~ in the first identification information,
and

wherein said step of sending said received data to said specified one of said at least one mobile terminal as the destination thereof includes the steps of

reading from said management table the second information corresponding to the first identification information ~~received with said data,~~

comparing the read second identification information and the prestored information specifying the home network, and

~~when the read second identification information and the information specifying the home network differs from each other,~~ sending said received data to the communication device in the network identified by the read second identification information when the read second information and the information specifying the home network differ from one another.

23. (Currently Amended) The recording medium according to claim 21, wherein said server is connected to another network and said server receives said data and the information indicating the specified one of the at least one mobile terminal as the destination of the data from a device connected to said another network.

24. (Currently Amended) The recording medium according to claim 23, wherein
said another network is the Internet, and
said connection means includes means for connecting to
~~said~~ the Internet via a public network.